

Maharshi Patel

Software Developer

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Projects

Violence detection system

- Pioneered a real-time violence detecting software using deep learning(CNN, LSTM), OpenCV and TensorFlow achieving 80% accuracy.
- Trained about 10 models and transformed the input-based system into real-time.

Location Description System (API)

- Developed a system that takes user input for a location and retrieves details about it via a Google Maps API.
- It provides coordinates, categorises the location (city/state/country) and fetches the capital for the states and countries.

Driver Drowsiness Detection

- Developed a Real-Time Driver Drowsiness Detection System using deep learning with LSTM and CNN, achieving 95% accuracy and under 3% false positives.
- The system analyzes driver fatigue in real-time, reducing drowsiness related incidents by 70% and enhancing road safety.

Web Crawler

- Developed an advanced web crawler capable of tracking 1,200+ webpage occurrences and mapping link connections; this innovation enabled data-driven decisions resulting in a 30% increase in user engagement across the site.
- Created a powerful crawler that systematically analyzed webpage occurrences and generated a detailed network graph; this tool is now utilized by over 10 team members to streamline competitive analysis processes.

EDUCATION

Hillwoods, 2020, 10th, 74%

Glm, 2022, 12th, 82%

VIT Bhopal (Pursuing), 2022-2026, B.tech in Computer Science and Engineering , CGPA 7.91

SOCIAL LINK

[Linkedin](#)
[Github](#)
[Codechef](#)
[LeetCode](#)
[GeeksforGeeks](#)
[Hackerrank](#)

Skills

Python, Java, C++ , HTML, CSS

AWARDS

**VII BioEngineering
Conference (BEC) 2024**

Presented "*Agro Shield: An Efficient Crop Disease Detection System*" at the VII BioEngineering Conference (BEC) 2024, held at NIT Rourkela. Recognized for contributing knowledge in agricultural technology and bioengineering.

LANGUAGES

English, Hindi, Gujarati